

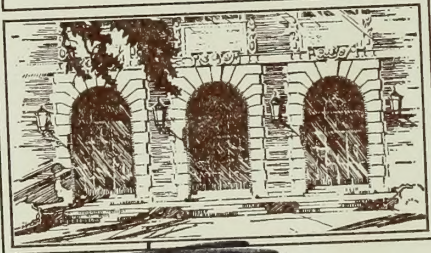
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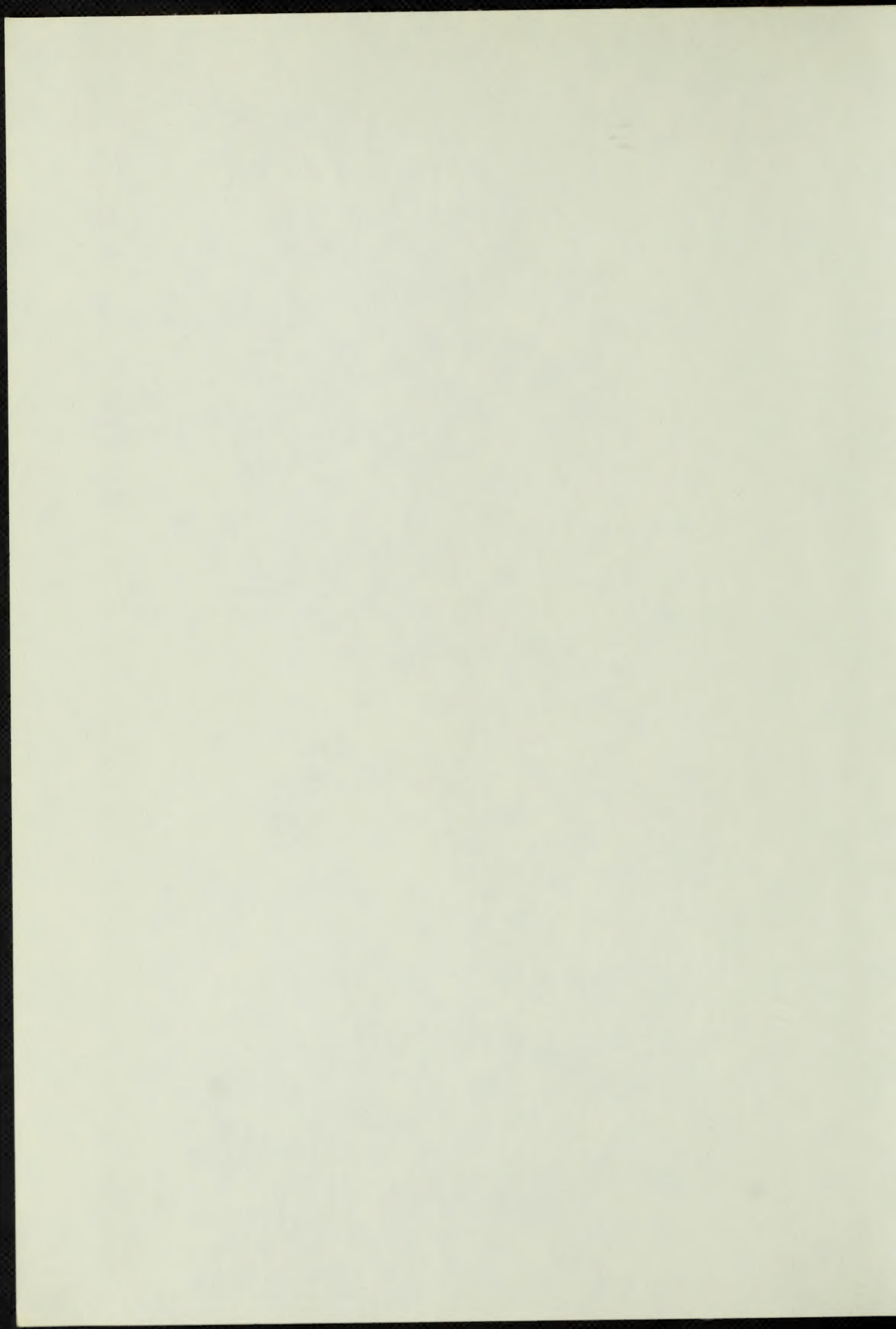
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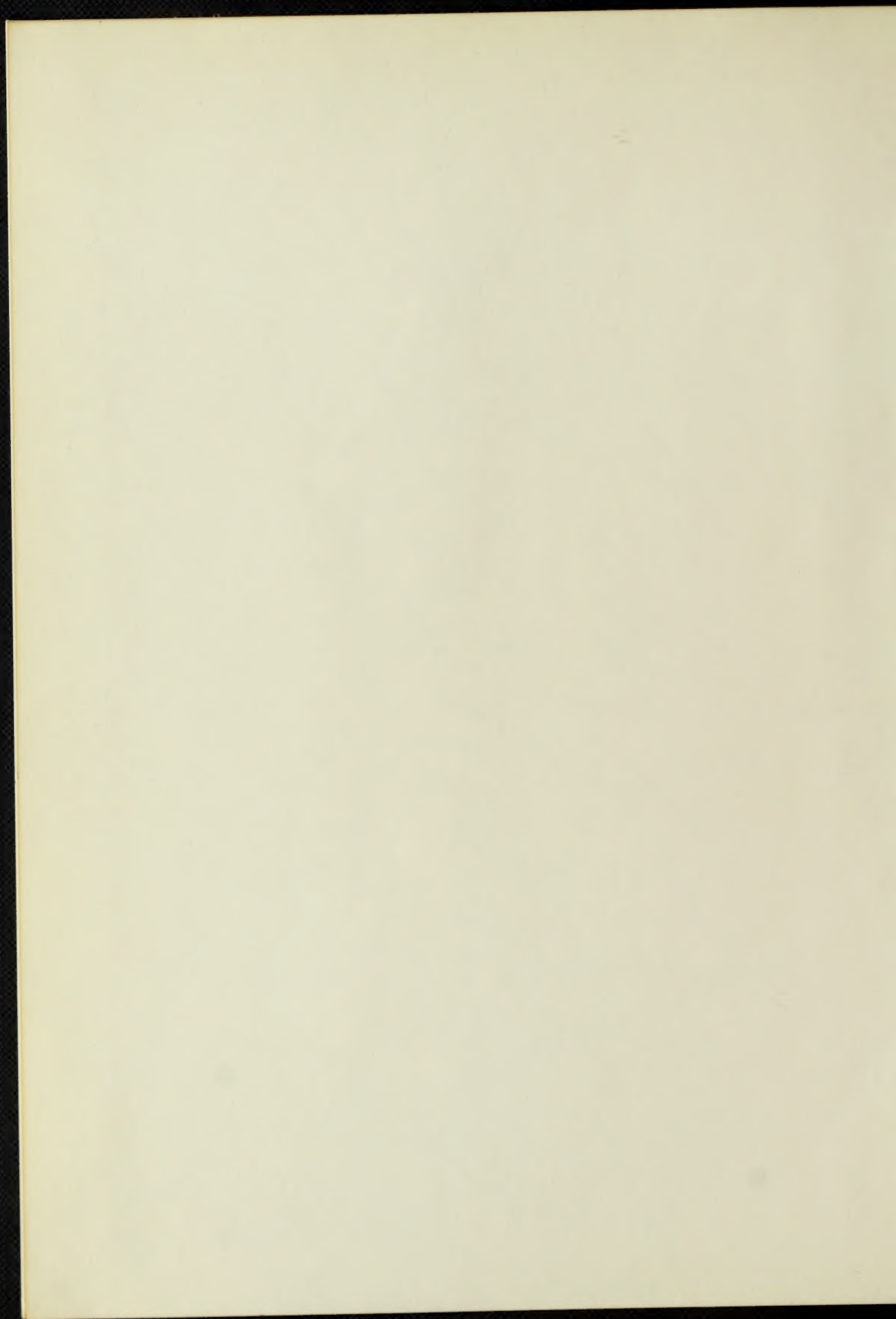
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EXPLANATION OF FORMAT

The period covered by this issue of the bibliography corresponds to the same months of *Index Medicus*. The journal coverage is limited to journals covered by *Index Medicus*, but the *Endocrinology Index* contains additional subject headings that are not included in *Index Medicus*. The *Endocrinology Index* is arranged in seven sections: 1) Table of Contents; 2) Subject Section; 3) Review Section; 4) Method Section; 5) Author Section; 6) Subject Index; and 7) Author Index.

Subject Section

The Subject Section is for the reader interested in recent literature related to certain broad topics and is divided into eight categories (pituitary, thyroid, etc.). The endocrine pancreas has not been included since it is the subject of another recurring bibliography, *Diabetes Literature Index*. Each category has a preconceived hierarchical organization of subject headings. A particular citation may appear more than once if it deals with multiple topics. Each citation to an article contains the full title, first author, and journal reference. If the article is written in a foreign language, the language is indicated. If the citation is to a review article, the number of references is given.

Author Section

The Author Section provides the reader with a list of keywords or index terms assigned to each citation. Each article appears only once. The citations are arranged alphabetically according to first author and are

numbered consecutively. These numbers are then used in the Author and Subject Indexes to enable the reader to identify references with ease. The complete citations (including index terms) are found but only the first three authors are listed. Foreign titles appear in the original language; these titles have been translated into English in the Subject Section. Following each citation are index terms which have been assigned to describe the contents of the article. Index terms appear in capital letters; some of these are accompanied by subheadings which appear in lower case letters. Asterisks (*) identify the index terms under which articles appear in *Index Medicus*.

Subject Index

All of the index terms assigned to the citations appearing in the bibliography are listed, followed by citation numbers which correspond to the numbers in the Author Section. The Subject Index is included for the convenience of the reader who wishes to select articles falling in categories of his own conception. For example, one who is interested in protein binding of a particular hormone could quickly find whether there were any articles dealing with this subject by determining if there were any citation numbers common to the two headings "protein binding" and the name of the specific hormone.

Author Index

The names of all authors are listed, followed by citation numbers which correspond to the numbers in the Author Section.

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ENDOCRINOLOGY INDEX

National Institute of Arthritis,
Metabolism, and Digestive Diseases

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PREFACE

The *Endocrinology Index* is a bimonthly publication of the National Institute of Arthritis, Metabolism, and Digestive Diseases. This selected bibliography which is produced from the National Library of Medicine's Medical Literature Analysis and Retrieval System (MEDLARS), has been initiated to supply those scientists working in the field of endocrinology with a much needed current awareness tool and is intended to help facilitate greater integration of research and clinical efforts in this field.

Endocrinology Index was developed with the support of contract PH43-66-480 in 1966-70 to Vanderbilt University under the direction of Grant W. Liddle. The National Institute of Arthritis, Metabolism, and Digestive Diseases is most appreciative of the fine work in originally developing and editing the *Index* provided by Grant W. Liddle and Victoria Ragin Liddle and for their continuing editorial advice in making the *Endocrinology Index* a most important and necessary component of endocrinology literature within the biomedical research community.

The Secretary of the Department of Health, Education, and Welfare has determined that the publication of this periodical is necessary in the transaction of the public business required by law of this Department. Use of funds for printing this periodical has been approved by the Director of the Office of Management and Budget through April 30, 1978.

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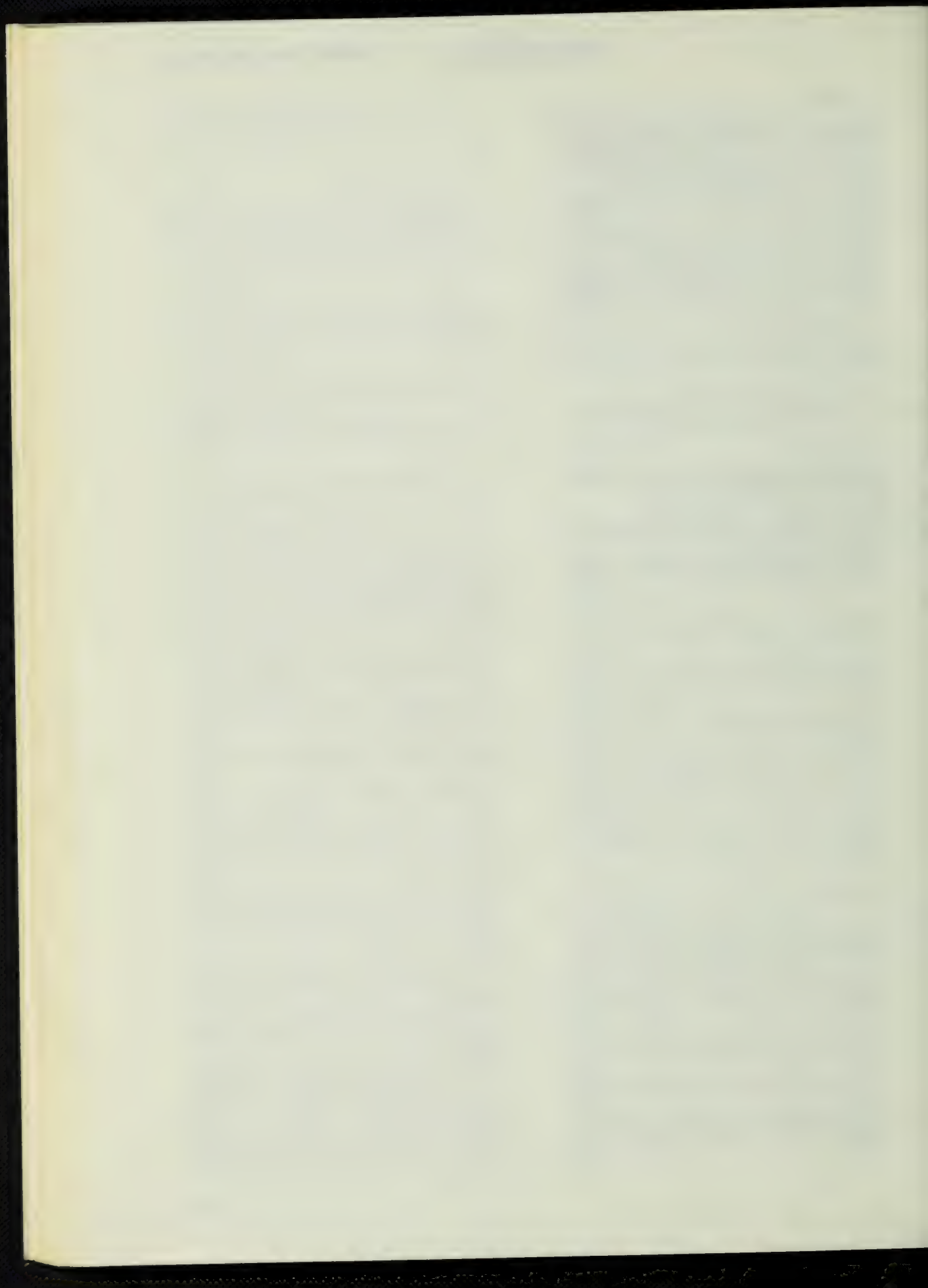
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II. Disorders of the Adrenal Glands

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- Virilizing adrenocortical adenoma responsive to gonadotrophin. Blichert-Toft M, et al. *Acta Endocrinol (Kbh)* 78(1):77-85, Jan 75

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- Virilizing adrenocortical adenoma responsive to gonadotrophin. Blichert-Toft M, et al. *Acta Endocrinol (Kbh)* 78(1):77-85, Jan 75

ADRENAL CORTEX DISEASES

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- Studies on metabolism of cortisol in Cushing's syndrome. Scavo D, et al. *Folia Endocrinol (Roma)* 27(6):546-55, Dec 74

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OCCURRENCE

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ADRENAL GLAND DISEASES

BLOOD

Letter: Elevated amniotic fluid concentration of 17 alpha-hydroxyprogesterone in congenital adrenal hyperplasia. Frasier SD, et al. *J Pediatr* 86(2):310-2, Feb 75

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- Treatment of Cushing's disease with adrenal blocking drugs and megavoltage therapy to the pituitary. Hunter PR, et al. *Proc R Soc Med* 67(12 pt 1):1225-6, Dec 74

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- Urinary excretion of corticosterone metabolites in demonstrating the adrenocortical remnant. Blichert-Toft M, et al. *Br J Surg* 61(12):955, Dec 74

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III. Adrenal Cortex Hormones, Precursors Metabolites and Synthetic Analogs

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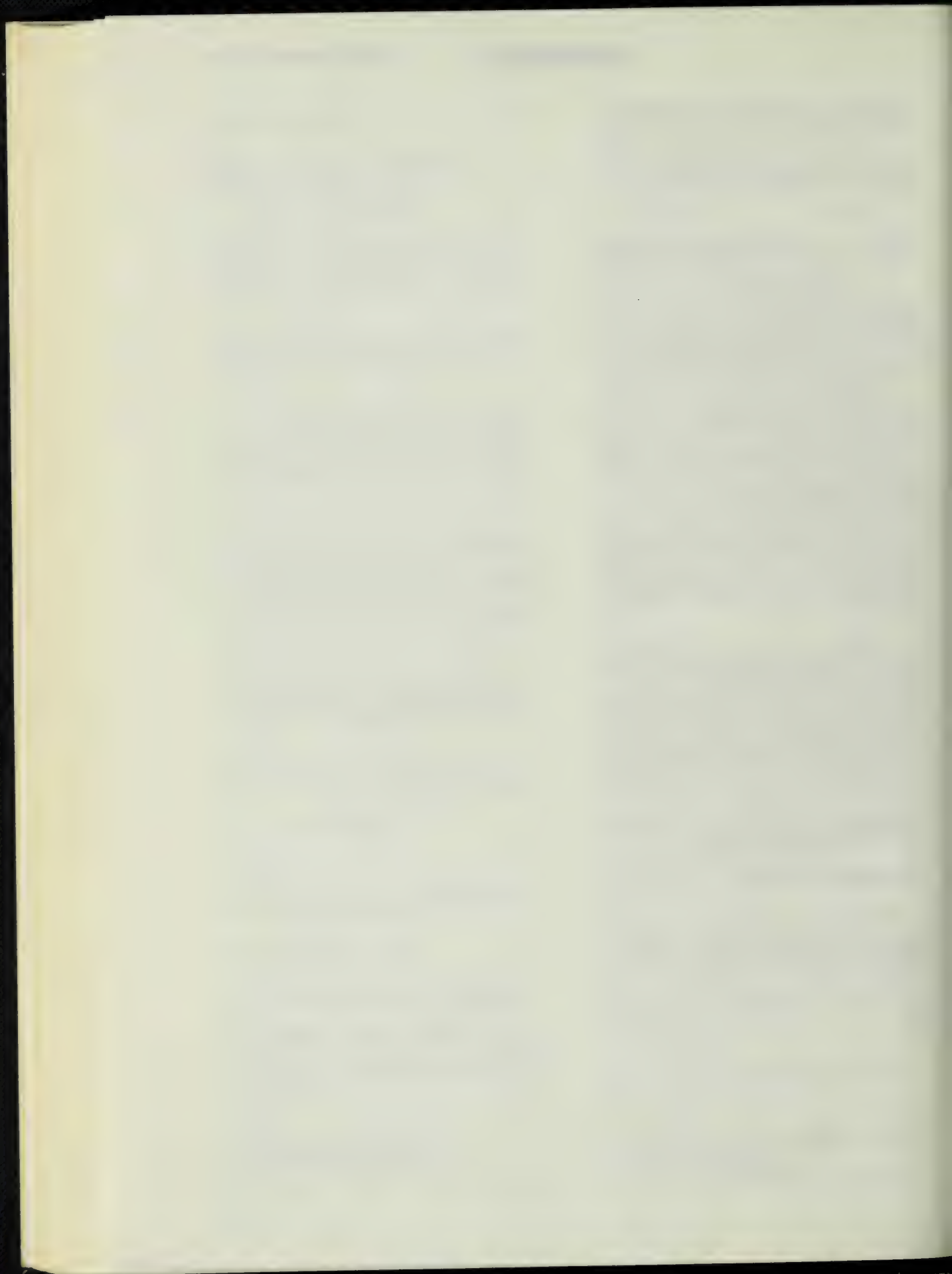
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EUNUCHISM

DIAGNOSIS

- Diagnostic use of luteinizing hormone releasing hormone in primary amenorrhea. Wentz AC, et al. Obstet Gynecol 45(3):247-55, Mar 75

FAMILIAL & GENETIC

- Anosmia and hypogonadism with ovarian mosaicism. Jones JR, et al. Am J Obstet Gynecol 121(7):991-4, 1 Apr 75

GRANULOSA CELL TUMOR

CHEMICALLY INDUCED

- [Experimental ovarian tumor. (2). Experimental ovarian tumor in rats treated with a chemical carcinogen, 9, 10-dimethyl-1, 2-benzanthracene] Kato T, et al. Acta Med (Fukuoka) 44(1):42-7, Mar 74 (Jpn)
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- A clinicopathologic study of 92 cases of granulosa cell tumor of the ovary with special reference to the factors influencing prognosis. Fox H, et al. Cancer 35(1):231-41, Jan 75
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- Malignant granulosa cell tumor in a bitch. Allen HL, et al. J Am Vet Med Assoc 166(5):447-8, 1 Mar 75

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- Behavior patterns of Aplysia californica in its natural

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environment. Kupfermann I, et al. *Behav Biol* 12(3):317-37, Nov 74

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Psychosomatic aspects of endocrine disorders of the voice. van Gelder L. *J Commun Disord* 7(3):257-62, Sep 74

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Letter: The management of paediatric hermaphroditism. Prinsloo JG. *S Afr Med J* 49(1):5, 4 Jan 75

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EMBRYOLOGY

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ETIOLOGY

Pathogenesis of male hermaphroditism. Boczkowski K. *Mater Med Pol* 6(1):17-9, Jan-Mar 74

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OF THE HISTORY OF THE UNITED STATES

GONADS

III. Gonadal Hormones, Precursors, Metabolites and Synthetic Analogs

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[Vocal disturbances after treatment with androgenic and anabolic hormones (author's transl)] Arndt HJ. *Munch Med Wochenschr* 116(40):1715-20, 4 Oct 74 (Eng. Abstr.) (Ger)

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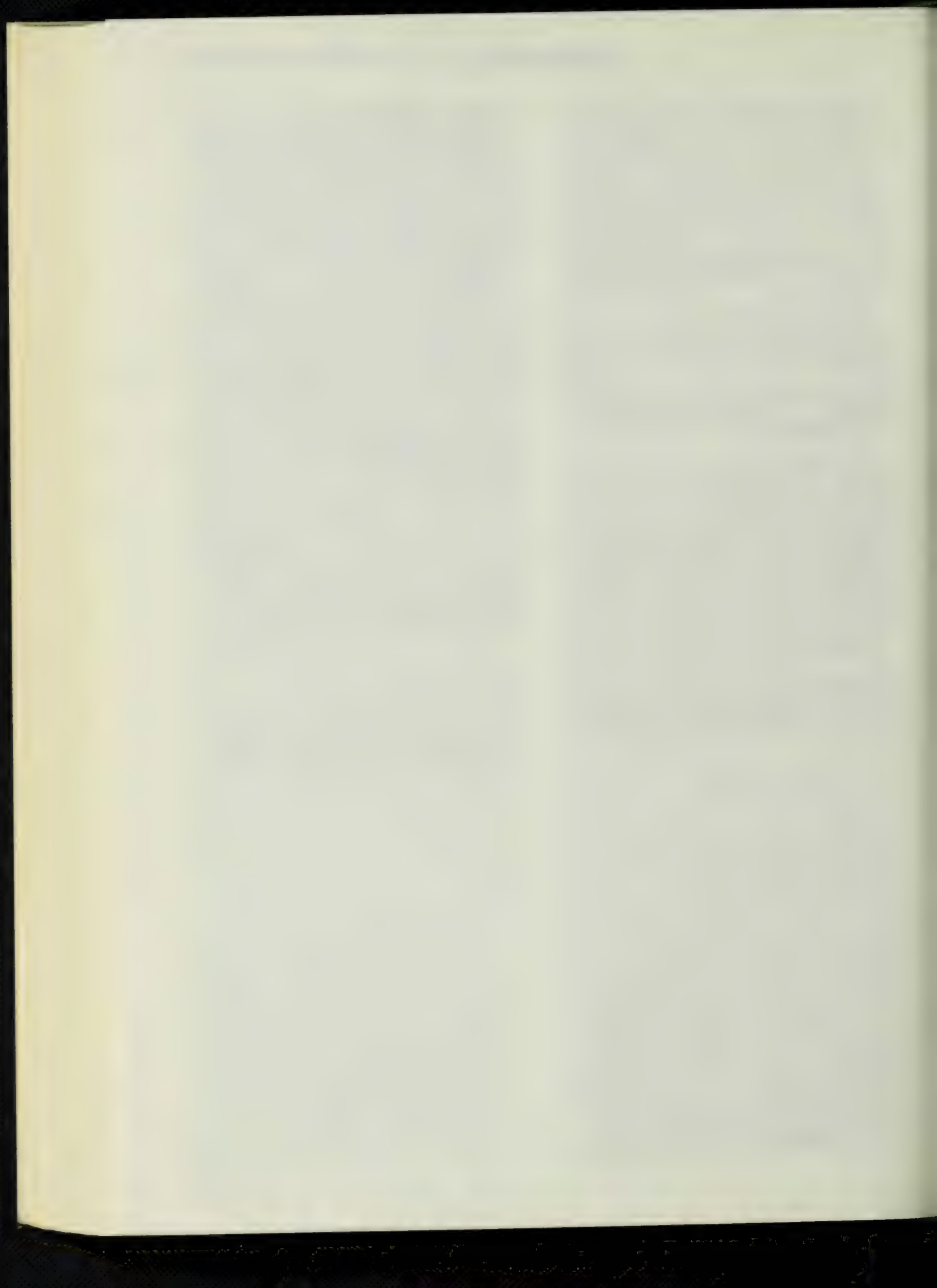
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PLACENTA

II. Disorders of the Placenta

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Monitor of chemotherapy in gestational trophoblastic neoplasm by radioimmunoassay of the beta-subunit of human chorionic gonadotropin. Jones WB, et al. *Am J Obstet Gynecol* 121(5):669-73, 1 Mar 75

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Placental insufficiency--a questionable concept. Gruenwald P. *Arch Dis Child* 49(12):915-6, Dec 74

Chorioangioma of the placenta. Thirteen new cases and a review of the literature from 1939 to 1970 with special reference to the clinical complications. Wallenburg HC. *Obstet Gynecol Surv* 26(6):411-25, Jun 71 (106 ref.)

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- DNA polymerase activity in normal and malnourished rat placentas. Velasco EG, et al. *J Pediatr* 86(2):274-9, Feb 75

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- An investigation into the mechanism of placental damage in rats inoculated with *Salmonella* dublin. Hall GA. *Am J Pathol* 77(2):299-312, Nov 74
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- An investigation into the mechanism of placental damage in rats inoculated with *Salmonella* dublin. Hall GA. *Am J Pathol* 77(2):299-312, Nov 74

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- Chorioangioma of the placenta. Thirteen new cases and a review of the literature from 1939 to 1970 with special reference to the clinical complications. Wallenburg HC. *Obstet Gynecol Surv* 26(6):411-25, Jun 71 (106 ref.)

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PARATHYROID AND BONE

I. Physical and Functional Aspects

PARATHYROID GLANDS

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PARATHYROID AND BONE

II. Disorders of the Parathyroid Glands

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Surgical treatment of parathyroid disease. Blalock JB. *AORN J* 20(4):696-7, 699, 701, Oct 74

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Transferable tetracycline resistance in *Salmonella*

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[Clinical demonstrations] Labhart A.
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VETERINARY

Transferable tetracycline resistance in Salmonella cholerae-suis var. Kunzendorf. Sabo J, et al.
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PARATHYROID GLANDS

ABNORMALITIES

Immune deficiency syndromes. Williams JL, et al.
Semin Roentgenol 10(1):83-9, Jan 75

PARATHYROID NEOPLASMS

BLOOD

Documented hyperparathyroidism of thirty-six years' duration. Fahey TJ Jr, et al. Cancer 35(3):803-7, Mar 75

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Hyperparathyroidism and carcinoid tumor. Samaan NA, et al. Ann Intern Med 82(2):205-7, Feb 75
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[Hyperparathyroidism in pregnancy] Molinatti GM, et al. Minerva Med 66(2):66-71, 13 Jan 75 (Eng. Abstr.) (Ita)

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PARATHYROID AND BONE

III. Parathyroid Hormone

PARATHYROID HORMONE

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NEUROENDOCRINOLOGY

II. Disorders of the Amygdaloid Body

PINEALOMA

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Radiation therapy of tumors of the central nervous system in childhood. Sheline GE. *Cancer* 35(3 suppl):957-64, Mar 75

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Treatment of pinealomas by stereotaxic radiation surgery. Backlund EO, et al.
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NEUROENDOCRINOLOGY

III. Neuroendocrine System Hormones, Precursors, Metabolites and Synthetic Analogs

CORTICOTROPIN RELEASING HORMONE

Chemistry of the hypothalamic releasing factors. Studies on structure-function relationships in TRF and LRF. Guillemin R, et al. *Vopr Biokhim Mozga* 8:141-76, 1973 (78 ref.)

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LH and FSH in serum after intramuscular administration of LH/FSH-releasing hormone in normal and hypogonadal men. Jorgensen FS, et al. *Acta Endocrinol (Kbh)* 78(1):1-10, Jan 75

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APPENDIX

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PHYSIOLOGY

Neuropharmacologic control of neuroendocrine function in man. Frohman LA, et al. *Metabolism* 24(2):211-34, Feb 75 (160 ref.)

ESTRADIOL

METABOLISM

Receptor transformation in estrogen action. Jensen EV, et al. *Acta Endocrinol [Suppl] (Kbh)* 77(191):159-72, 1974 (42 ref.)

URINE

Aging and urinary oestrogen excretion in the male. Sköldefors H, et al. *Acta Obstet Gynecol Scand* 54(1):89-90, 1975 (22 ref.)

ESTRIOL

METABOLISM

Estriol in pregnancy. Ostergard DR. *Obstet Gynecol Surv* 28(4):215-31, Apr 73 (201 ref.)

URINE

Current status of estrogen assays in obstetrics and gynecology. 2: Estrogen assays in late pregnancy. Belscher NA, et al. *Obstet Gynecol Surv* 27(5):303-43,

May 72 (103 ref.)

ESTROGENS

METABOLISM

[Receptors of--steroid hormones: Estrogens] Kato J. *Jpn J Clin Med* 32(11):3275-81, 10 Nov 74 (27 ref.) (Jpn)

PHYSIOLOGY

Some aspects of the pathogenesis of prostatic hyperplasia. Tveter KJ. *Acta Pathol Microbiol Scand [A] Suppl* 248:167-74, 1974 (64 ref.)

URINE

Current status of estrogen assay in gynecology and obstetrics. I. Estrogen assays in gynecology and early pregnancy. Brown JB, et al. *Obstet Gynecol Surv* 27(4):205-35, Apr 72 (38 ref.)

ESTRONE

URINE

Aging and urinary oestrogen excretion in the male. Sköldefors H, et al. *Acta Obstet Gynecol Scand* 54(1):89-90, 1975 (22 ref.)

EXOPHTHALMOS

SURGERY

The surgical treatment of exophthalmos. A review. Lanier VC Jr. *Plast Reconstr Surg* 55(1):56-64, Jan 75 (45 ref.)

FLUOCINOLONE ACETONIDE

[Fluocinolone acetonide in dermatological practice] Mazurkiewicz W. *Przegl Dermatol* 62(1):121-5, Jan-Feb 75 (44 ref.) (Pol)

GLUCOCORTICOIDS

BIOSYNTHESIS

[Biosynthesis of steroids: a study of enzyme chemistry] Inano H. *Jpn J Clin Med* 32(11):3242-8, 10 Nov 74 (40 ref.) (Jpn)

PHARMACODYNAMICS

How corticosteroids work. Claman HN. *J Allergy Clin Immunol* 55(3):145-51, Mar 75 (35 ref.)

GONADOTROPINS

SECRETION

Neutral control of gonadotropin secretion. McCann SM. *Adv Behav Biol* 11:1-21, 1974 (101 ref.)

GONADOTROPINS, PITUITARY

SECRETION

Neuroendocrine mechanisms responsible for gonadotropin release. Rodgers CH. *J Reprod Med* 14(1):1-7, Jan 75 (43 ref.)

REVIEW SECTION

GONADS

EMBRYOLOGY

- [Sex differentiation in the early development of mammals (literature survey)] Levina SE.
Akush Ginekol (Mosk) (2):14-20, Feb 74 (23 ref.)
(Rus)

HORMONES

ANALYSIS

- [Competitive protein-binding analysis of the hormones (basic elements, brief information on their use and theoretical aspects)] Volchek AG, et al.
Probl Endokrinol (Mosk) 20(6):86-97, Nov-Dec 74 (250 ref.)
(Rus)

HORMONES, ECTOPIC

SECRETION

- Aberrant hormone activity by tumors of gynecologic importance. Shane JM, et al. Am J Obstet Gynecol 121(1):133-43, 1 Jan 75 (226 ref.)

HYPERALDOSTERONISM

METABOLISM

- Abnormal regulation of aldosterone in hypertension. Luetscher JA, et al. Adv Intern Med 20:183-96, 1975 (27 ref.)

HYPOTHALAMO-HYPOPHYSEAL SYSTEM

PHYSIOLOGY

- Neuroendocrine mechanisms responsible for gonadotropin release. Rodgers CH. J Reprod Med 14(1):1-7, Jan 75 (43 ref.)

ULTRASTRUCTURE

- Ultrastructural changes in the hypothalamus during development and hypothalamic activity: the median eminence. Monroe BG, et al. Prog Brain Res 41:185-208, 1974 (27 ref.)

HYPOTHALAMUS

ANATOMY & HISTOLOGY

- Structure and fiber connections of the hypothalamus in mammals. Lammers HJ, et al. Prog Brain Res 41:61-78, 1974 (66 ref.)

METABOLISM

- Competition between phlorizin and gold thioglucose for glucoreceptor cell transport mechanisms in the hypothalamus. Nutr Rev 33(1):23-5, Jan 75 (5 ref.)
Histochemical differentiation of hypothalamic areas. Pilgrim C. Prog Brain Res 41:97-110, 1974 (91 ref.)

PHYSIOLOGY

- Models of behavior and the hypothalamus. de Ruitter L, et al. Prog Brain Res 41:481-507, 1974 (69 ref.)
The role of the hypothalamus in puberty. Donovan BT. Prog Brain Res 41:239-53, 1974 (89 ref.)
The electrophysiology of the hypothalamus and its endocrinological implications. Dyer RG. Prog Brain Res 41:133-47, 1974 (115 ref.)
Some functions of hormones and the hypothalamus in

- the sexual activity of primates. Herbert J. Prog Brain Res 41:331-48, 1974 (47 ref.)
The ontogenetic development of hypothalamo-hypophyseal relations. Jost A, et al. Prog Brain Res 41:209-19, 1974 (46 ref.)
The hypothalamus and behavioral patterns. Jürgens U. Prog Brain Res 41:445-63, 1974 (58 ref.)
The mammalian pineal gland and its control of hypothalamic activity. Kappers JA, et al. Prog Brain Res 41:149-74, 1974 (81 ref.)
Maternal hypothalamic control of labor. Lincoln DW. Prog Brain Res 41:289-306, 1974 (122 ref.)
The role of the fetal hypothalamus in development of the feto-placental unit and in parturition. Swaab DF, et al. Prog Brain Res 41:255-80, 1974 (140 ref.)
The lateral hypothalamus and adjunctive drinking. Wayner MJ. Prog Brain Res 41:371-94, 1974 (53 ref.)

PHYSIOPATHOLOGY

- The immature HPO axis. Buttram VC Jr. J Reprod Med 14(1):21-5, Jan 75 (19 ref.)

SECRETION

- Neutral control of gonadotropin secretion. McCann SM. Adv Behav Biol 11:1-21, 1974 (101 ref.)

KLINEFELTER'S SYNDROME

COMPLICATIONS

- [Mental status in Klinefelter's syndrome] Bieder J. Ann Med Psychol (Paris) 2(1):7-18, Jun 74 (89 ref.)
(Fre)

LYNESTRENOL

ADVERSE EFFECTS

- Ischaemic colitis and oral contraceptives: case report and brief review of the literature. Egger G, et al. Acta Hepatogastroenterol (Stuttg) 21(3):221-4, Jun 74 (17 ref.)

MELATONIN

PHYSIOLOGY

- [Certain results and perspectives of the study of the role of the epiphysis in obstetrics and gynecology (literature survey)] Grishchenko VI, et al. Akush Ginekol (Mosk) (5):4-8, May 74 (23 ref.)
(Rus)

MESTRANOL

ADVERSE EFFECTS

- Ischaemic colitis and oral contraceptives: case report and brief review of the literature. Egger G, et al. Acta Hepatogastroenterol (Stuttg) 21(3):221-4, Jun 74 (17 ref.)

NEOPLASTIC ENDOCRINE-LIKE SYNDROMES

- Aberrant hormone activity by tumors of gynecologic importance. Shane JM, et al. Am J Obstet Gynecol 121(1):133-43, 1 Jan 75 (226 ref.)

NEUROSECRETORY SYSTEMS

PHYSIOLOGY

- Neuropharmacologic control of neuroendocrine

REVIEW SECTION

function in man. Frohman LA, et al. *Metabolism* 24(2):211-34, Feb 75 (160 ref.)

OSTEOMALACIA

THERAPY

[What is secured in the therapy of osteoporosis and osteomalacia?] Kuhlencordt F, et al. *Internist (Berlin)* 15(12):588-93, Dec 74 (39 ref.) (Ger)

OSTEOPOROSIS

DRUG THERAPY

[Diagnosis and therapy of osteoporosis (author's transl)] Reutter FW. *Munch Med Wochenschr* 116(51-52):2217-22, 20 Dec 74 (24 ref.) (Eng. Abstr.) (Ger)

[Treatment of osteoporosis with sodium fluoride] Swiderska-Kulikowa B. *Pol Arch Med Wewn* 53(2):171-7, Feb 75 (35 ref.) (Pol)

THERAPY

[What is secured in the therapy of osteoporosis and osteomalacia?] Kuhlencordt F, et al. *Internist (Berlin)* 15(12):588-93, Dec 74 (39 ref.) (Ger)

OVARIAN DISEASES

ETIOLOGY

[Certain results and perspectives of the study of the role of the epiphysis in obstetrics and gynecology (literature survey)] Grishchenko VI, et al. *Akush Ginekol (Mosk)* (5):4-8, May 74 (23 ref.) (Rus)

OVARIAN NEOPLASMS

COMPLICATIONS

Virilization in pregnancy coexisting with an (ovarian) mucinous cystadenoma: A case report and review of virilizing ovarian tumors in pregnancy. Verhoeven AT, et al. *Obstet Gynecol Surv* 28(9):597-622, Sep 73 (104 ref.)

DIAGNOSIS

Unusual manifestations of benign cystic teratomas. Adcock LL. *Obstet Gynecol Surv* 27(6):suppl:471-4, Jun 72 (32 ref.)

ETIOLOGY

Factors in the causation and incidence of ovarian cancer. Fathalla MF. *Obstet Gynecol Surv* 27(11):751-68, Nov 72 (169 ref.)

OVARY

PHYSIOLOGY

Prostaglandins in reproductive physiology. Craig GM. *Postgrad Med J* 51(592):74-84, Feb 75 (92 ref.)

[Certain results and perspectives of the study of the role of the epiphysis in obstetrics and gynecology (literature survey)] Grishchenko VI, et al. *Akush Ginekol (Mosk)* (5):4-8, May 74 (23 ref.) (Rus)

PHYSIOPATHOLOGY

The immature HPO axis. Buttram VC Jr. *J Reprod Med* 14(1):21-5, Jan 75 (19 ref.)

OVULATION

Utero-oviductal motility with emphasis on ova transport. Aref I, et al. *Obstet Gynecol Surv* 28(10):679-703, Oct 73 (136 ref.)

Normal and delayed ovulation in the human. Arrata WS, et al. *Obstet Gynecol Surv* 26(10):675-89, Oct 71 (174 ref.)

OXYTOCIN

PHARMACODYNAMICS

Cardiovascular actions of oxytocin. Nakano J. *Obstet Gynecol Surv* 28(2):75-92, Feb 73 (158 ref.)

PINEAL BODY

PHYSIOLOGY

The mammalian pineal gland and its control of hypothalamic activity. Kappers JA, et al. *Prog Brain Res* 41:149-74, 1974 (81 ref.)

[Certain results and perspectives of the study of the role of the epiphysis in obstetrics and gynecology (literature survey)] Grishchenko VI, et al. *Akush Ginekol (Mosk)* (5):4-8, May 74 (23 ref.) (Rus)

PITUITARY GLAND

CYTOLOGY

The current status of human pituitary cytophysiology. Halmi NS. *NZ Med J* 80(530):551-6, 25 Dec 74 (61 ref.)

PHYSIOLOGY

The ontogenetic development of hypothalamo-hypophyseal relations. Jost A, et al. *Prog Brain Res* 41:209-19, 1974 (46 ref.)

PHYSIOPATHOLOGY

The immature HPO axis. Buttram VC Jr. *J Reprod Med* 14(1):21-5, Jan 75 (19 ref.)

PITUITARY HORMONE RELEASING HORMONES

Chemistry of the hypothalamic releasing factors. Studies on structure-function relationships in TRF and LRF. Guillemin R, et al. *Vopr Biokhim Mozga* 8:141-76, 1973 (78 ref.)

PLACENTA

ENZYMOLGY

Placental alkaline phosphatase: a review and re-evaluation of its applicability in monitoring fetoplacental function. Shane JM, et al. *Obstet Gynecol Surv* 29(2):97-105, Feb 74 (104 ref.)

METABOLISM

Mechanisms of transport across the placenta: an in vitro approach. Miller RK, et al. *Life Sci* 16(1):7-30, 1 Jan 75 (127 ref.)

PHYSIOLOGY

The role of the fetal hypothalamus in development of the fetoplacental unit and in parturition. Swaab DF, et al. *Prog Brain Res* 41:255-80, 1974 (140 ref.)

REVIEW SECTION

PROGESTATIONAL HORMONES

METABOLISM

[Receptors of--steroid hormones: Progestogen] Okada H. *Jpn J Clin Med* 32(11):3282-7, 10 Nov 74 (30 ref.) (Jpn)

PROGESTERONE

BIOSYNTHESIS

[Biosynthesis of steroids: a study of enzyme chemistry] Inano H. *Jpn J Clin Med* 32(11):3242-8, 10 Nov 74 (40 ref.) (Jpn)

PROLACTIN

PHYSIOLOGY

Prolactin and breast carcinoma. Smithline F, et al. *N Engl J Med* 292(15):784-92, 10 Apr 75 (92 ref.)
Human prolactin: secretion, regulation and pathophysiology. Yuen BH, et al. *Obstet Gynecol Surv* 28(8):527-41, Aug 73 (125 ref.)

PUBERTY

The role of the hypothalamus in puberty. Donovan BT. *Prog Brain Res* 41:239-53, 1974 (89 ref.)

RENAL OSTEODYSTROPHY

METABOLISM

Calcium metabolism in renal failure. David DS. *Am J Med* 58(1):48-56, Jan 75 (50 ref.)

RENIN

PHYSIOLOGY

Renin-angiotensin system. Peart WS. *N Engl J Med* 292(6):302-6, 6 Feb 75 (9 ref.)
[Biosynthesis of mineral corticoid and secretory regulation factor: recent findings and criticisms] Mizukoshi H, et al. *Jpn J Clin Med* 32(11):3249-56, 10 Nov 74 (50 ref.) (Jpn)

SECRETION

The renin axis and vasoconstriction volume analysis for understanding and treating renovascular and renal hypertension. Laragh JH, et al. *Am J Med* 58(1):4-13, Jan 75 (39 ref.)

SEX DETERMINATION

Sexual differentiation of behavior in rat. van Dis H, et al. *Prog Brain Res* 41:321-9, 1974 (35 ref.)
[Sex differentiation and sex hormones] Yoshida K, et al. *Jpn J Clin Med* 32(11):3337-41, 10 Nov 74 (20 ref.) (Jpn)
[Sex differentiation in the early development of mammals (literature survey)] Levina SE. *Akush Ginekol (Mosk)* (2):14-20, Feb 74 (23 ref.) (Rus)

SEX DIFFERENTIATION DISORDERS

DIAGNOSIS

[Intersexuality in childhood] Knorr D. *Med Klin*

69(44):1779-90, 1 Nov 74 (10 ref.)

(Ger)

SEX HORMONES

[Metabolic action of sex hormones and their clinical application] Matsushima Y, et al. *Jpn J Clin Med* 32(11):3341-5, 10 Nov 74 (22 ref.) (Jpn)

BIOSYNTHESIS

[Biosynthesis of steroids: a study of enzyme chemistry] Inano H. *Jpn J Clin Med* 32(11):3242-8, 10 Nov 74 (40 ref.) (Jpn)

METABOLISM

Hormone binding and activation in the testis and epididymis. Hansson V, et al. *Acta Pathol Microbiol Scand [A] Suppl* 248:75-88, 1974 (50 ref.)
[Sex differentiation and sex hormones] Yoshida K, et al. *Jpn J Clin Med* 32(11):3337-41, 10 Nov 74 (20 ref.) (Jpn)

PHYSIOLOGY

The neuroendocrine regulation of sexual behavior. Gorski RA. *Adv Psychobiol* 2:1-58, 1974 (177 ref.)
Some functions of hormones and the hypothalamus in the sexual activity of primates. Herbert J. *Prog Brain Res* 41:331-48, 1974 (47 ref.)
Sexual differentiation of behavior in rat. van Dis H, et al. *Prog Brain Res* 41:321-9, 1974 (35 ref.)
[Sex hormones and bone marrow functions] Yamamoto M, et al. *Jpn J Clin Med* 32(11):3346-9, 10 Nov 74 (20 ref.) (Jpn)

SOMATOTROPIN

METABOLISM

Renal handling of low molecular weight proteins. Maack T. *Am J Med* 58(1):57-64, Jan 75 (26 ref.)

SPIRONOLACTONE

THERAPEUTIC USE

[New clinical application of spironolactone] Fukuchi S. *Jpn J Clin Med* 32(11):3326-32, 10 Nov 74 (33 ref.) (Jpn)

STEROIDS

ANALYSIS

[Competitive protein-binding analysis of the hormones (basic elements, brief information on their use and theoretical aspects)] Volchek AG, et al. *Probl Endokrinol (Mosk)* 20(6):86-97, Nov-Dec 74 (250 ref.) (Rus)

TESTIS

BLOOD SUPPLY

Ligation of the internal spermatic vein as a treatment for infertility: a review. Mehan DJ. *Mo Med* 71(10):591-3, Oct 74 (0 ref.)

GROWTH & DEVELOPMENT

Testicular changes associated with the initiation of spermatogenesis. Gondos B. *Ann Clin Lab Sci* 5(1):4-13, Jan-Feb 75 (25 ref.)

METABOLISM

Androgen transport mechanisms in the testis and

REVIEW SECTION

epididymis. Hansson V, et al.
Acta Endocrinol [Suppl] (Kbh) 77(191):191-8, 1974 (15 ref.)

Hormone binding and activation in the testis and epididymis. Hansson V, et al.
Acta Pathol Microbiol Scand [A] Suppl 248:75-88, 1974 (50 ref.)

TESTOSTERONE

PHYSIOLOGY

Some aspects of the pathogenesis of prostatic hyperplasia. Tveter KJ.
Acta Pathol Microbiol Scand [A] Suppl 248:167-74, 1974 (64 ref.)

THYROID DISEASES

DIAGNOSIS

[Cytological diagnosis of the thyroid gland]
Woenckhaus JW. *Med Klin* 69(49):2009-16, 6 Dec 74 (30 ref.) (Ger)

PHYSIOPATHOLOGY

[State of the intestines in thyroid diseases] Mosin VI.
Probl Endokrinol (Mosk) 20(6):110-2, Nov-Dec 74 (30 ref.) (Rus)

THYROID GLAND

ENZYMOLGY

[Histoenzymology of the thyroid gland] Khmel'nitskiĭ OK, et al. *Arkh Patol* 36(1):79-86, 1974 (138 ref.) (Eng. Abstr.) (Rus)

THYROID GLAND FUNCTION TESTS

In vitro screening tests of thyroid function: a review.
Bigos ST. *J Maine Med Assoc* 66(1):8-10, Jan 75 (10 ref.)

THYROTROPIN RELEASING HORMONE

Chemistry of the hypothalamic releasing factors. Studies on structure-function relationships in TRF and LRF. Gullemin R, et al. *Vopr Biokhim Mozga* 8:141-76, 1973 (78 ref.)

VIRILISM

ETIOLOGY

Virilization in pregnancy coexisting with an (ovarian) mucinous cystadenoma: A case report and review of virilizing ovarian tumors in pregnancy. Verhoeven AT, et al. *Obstet Gynecol Surv* 28(9):597-622, Sep 73 (104 ref.)

VITAMIN D

Metabolism, function and clinical aspects of vitamin D. Wasserman RH. *Cornell Vet* 65(1):3-25, Jan 75 (95 ref.)

METABOLISM

Regulation of vitamin D metabolism: a new dimension in calcium homeostasis. DeLuca HF.
Biochem Soc Symp (35):271-86, 1972 (51 ref.)

PHYSIOLOGY

The kidney as an endocrine organ involved in the function of vitamin D. DeLuca HF. *Am J Med* 58(1):39-47, Jan 75 (87 ref.)

[Current conceptions on the biochemical mode of action of vitamin D (author's transl)] Norman AW. *Munch Med Wochenschr* 116(37):1585-98, 13 Sep 74 (41 ref.) (Eng. Abstr.) (Ger)

[Topical clinical problems of vitamin D research (author's transl)] Schaefer K.
Munch Med Wochenschr 116(37):1565-8, 13 Sep 74 (22 ref.) (Eng. Abstr.) (Ger)

VITAMIN D DEFICIENCY

PHYSIOPATHOLOGY

[Topical clinical problems of vitamin D research (author's transl)] Schaefer K.
Munch Med Wochenschr 116(37):1565-8, 13 Sep 74 (22 ref.) (Eng. Abstr.) (Ger)



METHOD SECTION

This section is meant to be an alerting device for articles which describe: 1) new methods or techniques, 2) modifications of existing methods or 3) comparisons of different methods. For methods on a particular substance or for a specific type of method, see the subject index or the subject section (particularly the subheadings: analysis, blood, cerebrospinal fluid, chemical synthesis, isolation and purification, and urine).

ASCORBIC ACID

METABOLISM

- [Ovarian ascorbic acid depletion method for luteinizing hormone assay: comparison of the results using various strains of young rats] Tsai YF, et al. *J Formosan Med Assoc* 73(11):647-52, Nov 74 (Eng. Abstr.) (Chi)
- ANIMAL EXPERIMENTS/ *ASCORBIC ACID, metabolism/ *BIOLOGICAL ASSAY, methods/ COMPARATIVE STUDY/ ENGLISH ABSTRACT/ FEMALE/ *LH, analysis/ LH, pharmacodynamics/ ORGAN WEIGHT/ OVARY, metabolism/ OVARY, drug effects/ PREGNANT MARE'S SERUM, analysis/ RATS/ SPECIES SPECIFICITY

various strains of young rats] Tsai YF, et al. *J Formosan Med Assoc* 73(11):647-52, Nov 74 (Eng. Abstr.) (Chi)

ANIMAL EXPERIMENTS/ *ASCORBIC ACID, metabolism/ *BIOLOGICAL ASSAY, methods/ COMPARATIVE STUDY/ ENGLISH ABSTRACT/ FEMALE/ *LH, analysis/ LH, pharmacodynamics/ ORGAN WEIGHT/ OVARY, metabolism/ OVARY, drug effects/ PREGNANT MARE'S SERUM, analysis/ RATS/ SPECIES SPECIFICITY

AUTOANALYSIS

METHODS

- [Automatic method for determination of butanol-extractable iodine] Köhler H, et al. *Z Med Labortech* 15(5):269-73, 1974 (Eng. Abstr.) (Ger)
- ALCOHOLS, BUTYL/ *AUTOANALYSIS, methods/ ENGLISH ABSTRACT/ HUMAN/ *IODINE, blood

AUTORADIOGRAPHY

- Autoradiographic techniques for localizing steroid hormones. Stumpf WE, et al. *Methods Enzymol* 36(00):135-56, 1975
- ANIMAL EXPERIMENTS/ AUTORADIOGRAPHY/ ESTRADIOL, analysis/ FEMALE/ FREEZE DRYING/ GUINEA PIGS/ HISTOCYTOCHEMISTRY/ *HORMONES, analysis/ METHODS/ MICROSCOPY, ELECTRON/ OVIDUCTS, analysis/ RATS/ RECEPTORS, HORMONE/ *STERIODS, analysis/ UNITED STATES GOVERNMENT SUPPORTED, NON-N.I.H./ UTERUS, analysis/ UTERUS, ultrastructure

BIOLOGICAL ASSAY

- A molecular bioassay for progesterone and related compounds. Glasser SR. *Methods Enzymol* 36(00):456-65, 1975
- ANIMAL EXPERIMENTS/ BIOLOGICAL ASSAY/ CASTRATION/ COMPARATIVE STUDY/ *ESTROGENS, analysis/ ESTROGENS, pharmacodynamics/ ESTRONE, pharmacodynamics/ FEMALE/ METHODS/ OVARY, physiology/ *PROGESTERONE, analysis/ PROGESTERONE, pharmacodynamics/ RATS/ TIME FACTORS/ UTERUS, drug effects

METHODS

- [Ovarian ascorbic acid depletion method for luteinizing hormone assay: comparison of the results using

BODY WEIGHT

- [Human chorion somatomammotrophin and estriol during the 3d trimester of pregnancy] Felsager U. *Ugeskr Laeger* 136(47):2619-22, 18 Nov 74 (Dan)
- BIRTH WEIGHT/ BODY WEIGHT/ COMPARATIVE STUDY/ *ESTRIOL, urine/ EVALUATION STUDIES/ FEMALE/ HUMAN/ INFANT, NEWBORN/ IODINE RADIOISOTOPES/ ORGAN WEIGHT/ PLACENTA/ *PLACENTAL LACTOGEN, blood/ PREGNANCY/ PREGNANCY, THIRD TRIMESTER/ RADIOIMMUNOASSAY, methods

CENTRIFUGATION, DENSITY GRADIENT

- Isolation of progesterone metabolites. Strott CA. *Methods Enzymol* 36(00):489-98, 1975
- ANIMAL EXPERIMENTS/ BINDING SITES/ CENTRIFUGATION, DENSITY GRADIENT/ CHICKENS/ CHROMATOGRAPHY, THIN LAYER/ FEMALE/ METHODS/ OVIDUCTS, metabolism/ *PROGESTERONE, metabolism/ PROGESTERONE, isolation & purification/ PROTEINS, metabolism/ RECEPTORS, HORMONE/ SUBCELLULAR FRACTIONS, metabolism

- Thrombin mimetic effects of estrogen: II. Gel filtration and centrifugal evidence for estrogen induced polymerization of fibrinogen derivatives. Pilgeram LO, et al. *Thromb Res* 6(1):19-29, Jan 75
- *BLOOD COAGULATION, drug effects/ CENTRIFUGATION, DENSITY GRADIENT/ DIETHYLSTILBESTROL, pharmacodynamics/ *ESTROGENS, pharmacodynamics/ ESTROGENS, blood/ ETHINYL ESTRADIOL, pharmacodynamics/ FACTOR XIII, analysis/ FIBRIN, analysis/ FIBRINOGEN, analysis/ GEL FILTRATION/ METHODS/ MOLECULAR WEIGHT/ POLYMERS, analysis/ PREMARIN, pharmacodynamics/ SOLUBILITY/ *THROMBIN, pharmacodynamics/ UNITED STATES GOVERNMENT SUPPORTED, N.I.H.

CHROMATOGRAPHY

- A novel method for the determination of guanosine 3':5'-cyclic monophosphate (cyclic GMP). Shibuya M, et al. *Biochem Biophys Res Commun* 62(1):129-35, 6 Jan 75
- ANIMAL EXPERIMENTS/ CHROMATOGRAPHY/

ESCHERICHIA COLI, metabolism/ *GUANOSINE CYCLIC 3',5' MONOPHOSPHATE, analysis/ METHODS/ MICROCHEMISTRY/ PEPTIDE ELONGATION FACTORS/ PHOSPHODIESTERASES, metabolism/ PHOSPHORUS RADIOISOTOPES/ RATS/ TRITIUM

Radioimmunoassay of plasma estradiol without extraction and chromatography. Jurjens H, et al. *J Clin Endocrinol Metab* 40(1):19-25, Jan 75
ANTIBODY SPECIFICITY/ BLOOD PROTEINS/ CHROMATOGRAPHY/ *ESTRADIOL, blood/ PROTEIN BINDING/ RABBITS, immunology/ *RADIOIMMUNOASSAY, methods/ SERUM ALBUMIN, BOVINE/ TESTOSTERONE/ TRITIUM

Use of receptor proteins for steroid-hormone assays. Korenman S. *Methods Enzymol* 36(00):49-52, 1975
ANIMAL EXPERIMENTS/ CHROMATOGRAPHY/ ESTRADIOL, blood/ ESTRONE, blood/ FEMALE/ *HORMONES, blood/ HUMAN/ KINETICS/ METHODS/ PREGNANCY/ *PROTEINS/ *RECEPTORS, HORMONE/ SILICA/ SPECIES SPECIFICITY/ *STEROIDS, blood/ UTERUS, analysis

Isolation and purification of corticosteroid-binding globulin from human plasma by affinity chromatography. Rosner W, et al. *Methods Enzymol* 36(00):104-9, 1975
CHROMATOGRAPHY/ CHROMATOGRAPHY, AFFINITY/ CYANOGEN BROMIDE/ HUMAN/ HYDROCORTISONE, blood/ HYDROXYAPATITES/ METHODS/ SEPHAROSE/ SUCCINATES/ *TRANSCORTIN, isolation & purification

A universal chromatographic system for the separation of steroid hormones and their metabolites. Sliteri K. *Methods Enzymol* 36(00):485-9, 1975
CHROMATOGRAPHY/ *HORMONES, isolation & purification/ HORMONES, metabolism/ METHODS/ SILICA/ *STEROIDS, isolation & purification/ STEROIDS, metabolism

INSTRUMENTATION

A rapid method for the measurement of estradiol and hydrocortisone levels in maternal and fetal blood and amniotic fluid. Sybulski S, et al.

Am J Obstet Gynecol 121(1):32-6, 1 Jan 75
ALCOHOL, METHYL, diagnostic use/ *AMNIOTIC FLUID, analysis/ BENZENE, diagnostic use/ BINDING SITES/ BINDING, COMPETITIVE/ BLOOD SPECIMEN COLLECTION/ CHROMATOGRAPHY, methods/ CHROMATOGRAPHY, instrumentation/ ESTRADIOL, blood/ *ESTRADIOL, analysis/ ESTRADIOL, blood/ ESTRONE, blood/ FEMALE/ *FETUS, metabolism/ HUMAN/ HYDROCORTISONE, blood/ *HYDROCORTISONE, analysis/ PREGNANCY/ PROTEIN BINDING/ SOLVENTS/ TESTOSTERONE, blood

METHODS

A rapid method for the measurement of estradiol and hydrocortisone levels in maternal and fetal blood and amniotic fluid. Sybulski S, et al.

Am J Obstet Gynecol 121(1):32-6, 1 Jan 75
ALCOHOL, METHYL, diagnostic use/ *AMNIOTIC FLUID, analysis/ BENZENE, diagnostic use/ BINDING SITES/ BINDING, COMPETITIVE/ BLOOD SPECIMEN COLLECTION/ CHROMATOGRAPHY, methods/ CHROMATOGRAPHY, instrumentation/ ESTRADIOL, blood/ *ESTRADIOL, analysis/ ESTRADIOL, blood/ ESTRONE, blood/ FEMALE/ *FETUS, metabolism/ HUMAN/ HYDROCORTISONE, blood/ *HYDROCORTISONE, analysis/ PREGNANCY/ PROTEIN BINDING/ SOLVENTS/ TESTOSTERONE, blood

Solvents for the adsorption chromatography of adrenocortical steroids. Smith P, et al.

J Chromatogr 101(1):202-5, 4 Dec 74
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analysis/ HYDROCORTISONE, analysis/ HYDROXYCORTICOSTEROIDS, analysis/ OXIDATION-REDUCTION/ *PREGNANES, analysis/ PRESSURE/ *SOLVENTS/ TETRAZOLIUM SALTS

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METHOD SECTION CHROMATOGRAPH

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STUDY/ ELECTRONS/ ESTRADIOL, urine/
ESTRONE, urine/ *HORMONES, analysis/ HUMAN/
METHODS/ MICROCHEMISTRY/
RADIOIMMUNOASSAY/ *STERIODS, analysis/
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HOMOVANILLIC ACID, cerebrospinal fluid/
HOMOVANILLIC ACID, analysis/ MICE/
PHENYLACETATES, cerebrospinal fluid/
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*GLYCOLS, isolation & purification/ MALE/
METHODS/ MONOAMINE OXIDASE INHIBITORS,
pharmacodynamics/ *NOREPINEPHRINE, isolation
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METHODS/ PREGNANCY/ *PROGESTERONE,
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RELATIONSHIP

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*COCKROACHES/ DOPAMINE, analysis/
EPINEPHRINE, analysis/ METHODS/
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GLANDS, analysis/ TRITIUM

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ADRENAL GLANDS, pathology/ ADULT/
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PAPER/ COMPARATIVE STUDY/ CUSHING'S
SYNDROME, blood/ FEMALE/ HUMAN/
HYPERALDOSTERONISM, blood/
HYPERPLASIA, congenital/ HYPERPLASIA,

blood/ MALE/ MIDDLE AGE/
*RADIOIMMUNOASSAY, methods

Isolation of cortisol metabolites. Bradlow HL, et al.
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PAPER/ CHROMATOGRAPHY, THIN LAYER/
GLUCURONIDASE/ GUINEA PIGS/
*HYDROCORTISONE, metabolism/
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CHROMATOGRAPHY, PAPER/ CROSS
REACTIONS/ FEMALE/ GEL FILTRATION/
HUMAN/ IMMUNIZATION/ INDICATORS AND
REAGENTS/ MALE/ METHODS/ OXIMES,
immunology/ RABBITS, immunology/
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MALE/ MATHEMATICS/ METHODS/ MODELS,
BIOLOGICAL/ PROSTATE, metabolism/ RATS/
*TESTOSTERONE, blood/ TESTOSTERONE,
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FEMALE/ METHODS/ OVIDUCTS, metabolism/
*PROGESTERONE, metabolism/ PROGESTERONE,
isolation & purification/ PROTEINS, metabolism/
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Comparison of dextran-coated charcoal and ammonium
sulfate in the radioimmunoassay of estrogens.
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CHROMATOGRAPHY, THIN LAYER/
COMPARATIVE STUDY/ DEXTRAN/
*ESTRADIOL, blood/ *ESTRONE, blood/ FEMALE/
HUMAN/ MALE/ METHODS/
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The LaBrosse VMA spot test revisited. Ong M, et al. *J Pediatr* 86(2):238-40, Feb 75
CATECHOLAMINES, secretion/ CHILD/ CHILD, PRESCHOOL/ COLORIMETRY/ COMPARATIVE STUDY/ FALSE POSITIVE REACTIONS/ HUMAN/ INFANT/ INFANT, NEWBORN/ METHODS/ NEOPLASMS, diagnosis/ NEOPLASMS, urine/ NEUROBLASTOMA, diagnosis/ NEUROBLASTOMA, urine/ *VANILMANDELIC ACID, urine

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Thyroxine dissociation in human plasma: measurement of its rate by a continuous-flow dialysis method. Hillier AP. *Acta Endocrinol (Kbh)* 78(1):32-8, Jan 75
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Separation of conjugated glycol metabolites of (3H) norepinephrine in the rat brain. Stone EA, et al. *Anal Biochem* 82(2):592-7, Dec 74
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Determination of serum thyroxine after dissociation from thyroxine-binding globulin in alkaline solution and absorption on dextran-coated charcoal. Wong WH. *Clin Chem* 21(2):216-20, Feb 75
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Mass fragmentographic determination of 4-hydroxy-3-methoxymandelic acid in human urine, cerebrospinal fluid, brain and serum using a deuterium-labelled internal standard. Sjöquist B. *J Neurochem* 24(1):199-201, Jan 75
*BRAIN CHEMISTRY/ BRAIN STEM, analysis/ CEREBELLUM, analysis/ CEREBRAL CORTEX, analysis/ CHROMATOGRAPHY, GAS/ COMPARATIVE STUDY/ DEUTERIUM/ HIPPOCAMPUS, analysis/ HUMAN/ HYPOTHALAMUS, analysis/ METHODS/ SPECTRUM ANALYSIS, MASS/ *VANILMANDELIC ACID, analysis

Radioimmunoassay of plasma aldosterone. Giannotti P, et al. *J Nucl Biol Med* 18(3):104-11, Jul-Sep 74
ADDISON'S DISEASE, blood/ ADOLESCENCE/ ADRENAL GLANDS, pathology/ ADULT/ *ALDOSTERONE, blood/ CHROMATOGRAPHY, PAPER/ COMPARATIVE STUDY/ CUSHING'S SYNDROME, blood/ FEMALE/ HUMAN/ HYPERALDOSTERONISM, blood/ HYPERPLASIA, congenital/ HYPERPLASIA, blood/ MALE/ MIDDLE AGE/ *RADIOIMMUNOASSAY, methods

The LaBrosse VMA spot test revisited. Ong M, et al. *J Pediatr* 86(2):238-40, Feb 75
CATECHOLAMINES, secretion/ CHILD/ CHILD, PRESCHOOL/ COLORIMETRY/ COMPARATIVE STUDY/ FALSE POSITIVE REACTIONS/ HUMAN/ INFANT/ INFANT, NEWBORN/ METHODS/ NEOPLASMS, diagnosis/ NEOPLASMS, urine/ NEUROBLASTOMA, diagnosis/ NEUROBLASTOMA, urine/ *VANILMANDELIC ACID, urine

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Simultaneous measurement of unbound testosterone and estradiol fractions in undiluted plasma at 37 degrees C by steady-state gel filtration. Fisher RA, et al. *Steroids* 24(8):809-24, Dec 74

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Characterization and physiological validation of a radioimmunoassay for plasma testosterone in the male rat. Frankel AI, et al. *Steroids* 25(1):73-98, Jan 75

ANIMAL EXPERIMENTS/ COMPARATIVE STUDY/ MALE/ METHODS/ RABBITS, immunology/ RADIOIMMUNOASSAY/ RADIOLIGAND ASSAY/ RATS/ REGRESSION ANALYSIS/ STANOLONE, blood/ *TESTOSTERONE, blood/ TRITIUM/ UNITED STATES GOVERNMENT SUPPORTED, N.I.H.

Comparison of dextran-coated charcoal and ammonium sulfate in the radioimmunoassay of estrogens.

Kushinsky S, et al. *Steroids* 25(1):145-50, Jan 75

AMMONIUM SULFATE/ CHARCOAL/ CHROMATOGRAPHY, THIN LAYER/ COMPARATIVE STUDY/ DEXTRAN/ *ESTRADIOL, blood/ *ESTRONE, blood/ FEMALE/ HUMAN/ MALE/ METHODS/ RADIOIMMUNOASSAY/ UNITED STATES GOVERNMENT SUPPORTED, N.I.H.

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[Human chorion somatomammotrophin and estradiol during the 3d trimester of pregnancy] Felsager U, Ugeskr Laeger 136(47):2619-22, 18 Nov 74 (Dan)

BIRTH WEIGHT/ BODY WEIGHT/ COMPARATIVE STUDY/ *ESTRIOL, urine/ EVALUATION STUDIES/ FEMALE/ HUMAN/ INFANT, NEWBORN/ IODINE RADIOISOTOPES/ ORGAN WEIGHT/ PLACENTA/ *PLACENTAL LACTOGEN, blood/ PREGNANCY/ PREGNANCY, THIRD TRIMESTER/ RADIOIMMUNOASSAY, methods

[Comparative study of 2 methods of plasma insulin radioimmunoassay. Double antibody and solid phase methods] Orsetti A, et al. *Pathol Biol (Paris)* 22(9):771-3, Nov 74 (Eng. Abstr.) (Fre)

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[Rapid determination of the plasma cortisol level through fluorescence in a aceto-sulfuric milieu. Pré J, et al. *Pathol Biol (Paris)* 22(9):827-34, Nov 74 (Eng. Abstr.) (Fre)

ACETIC ACIDS/ COMPARATIVE STUDY/ ENGLISH ABSTRACT/ FLUOROMETRY/ HUMAN/ HYDROCARBONS, CHLORINATED/ *HYDROCORTISONE, blood/ METHANE/ METHODS/ STATISTICS/ SULFURIC ACIDS

[Familial disorders of thyroxine-binding globulin as a cause of misleading serum thyroxine values. A study of 6 families] Bürgi H, et al. *Schweiz Med Wochenschr* 104(33):1141-7, 17 Aug 74 (Eng. Abstr.) (Ger)

ADOLESCENCE/ ADULT/ AGED/ CHILD/ COMPARATIVE STUDY/ DIAGNOSIS, DIFFERENTIAL/ *DIAGNOSTIC ERRORS/ ENGLISH ABSTRACT/ FEMALE/ *HEREDITARY DISEASES, blood/ HETEROZYGOTE/

HOMOZYGOTE/ HUMAN/ MALE/ METHODS/ MIDDLE AGE/ PEDIGREE/ THYROID DISEASES, diagnosis/ THYROTROPIN, blood/ *THYROXINE, blood/ *THYROXINE-BINDING PROTEIN

[Evaluation of the method of urinary cyclic-AMP determination by radioimmunoassay] Oglya S, et al. *Jpn J Clin Pathol* 22(10):311, Oct 74 (Jpn)

*ADENOSINE CYCLIC 3',5' MONOPHOSPHATE, urine/ COMPARATIVE STUDY/ HUMAN/ *RADIOIMMUNOASSAY, methods

[Comparison of macro- and micromethod for plasma renin activity determination in man (author's transl)] Lángos J, et al. *Bratisl Lek Listy* 62(6):684-700, Dec 74 (Eng. Abstr.) (Slo)

ALDOSTERONE, blood/ ANGIOTENSIN II, blood/ COMPARATIVE STUDY/ ENGLISH ABSTRACT/ HUMAN/ METHODS/ *RENIN, blood

DENSITOMETRY

Mineral density and bone density in the distal radius measured by gamma transmission and gamma scattering techniques. Karjalainen P, et al. *Ann Clin Res* 6(6):373-5, Dec 74

AMERICIUM/ BONE AND BONES, analysis/ *DENSITOMETRY/ DENSITOMETRY, methods/ GAMMA RAYS/ *MINERALS, analysis/ RADIOISOTOPES/ *RADIUS, analysis/ TECHNETIUM/ THULIUM

[Measuring osteoporosis] Forgács S, et al. *Orv Hetil* 116(10):545-8, 9 Mar 75 (Hun)

ADULT/ *DENSITOMETRY/ DENSITOMETRY, methods/ FEMALE/ HUMAN/ MALE/ METACARPUS, anatomy & histology/ *OSTEOPOROSIS, diagnosis/ *ULTRASONICS/ ULTRASONICS, diagnostic use

METHODS

Mineral density and bone density in the distal radius measured by gamma transmission and gamma scattering techniques. Karjalainen P, et al. *Ann Clin Res* 6(6):373-5, Dec 74

AMERICIUM/ BONE AND BONES, analysis/ *DENSITOMETRY/ DENSITOMETRY, methods/ GAMMA RAYS/ *MINERALS, analysis/ RADIOISOTOPES/ *RADIUS, analysis/ TECHNETIUM/ THULIUM

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ADULT/ *DENSITOMETRY/ DENSITOMETRY, methods/ FEMALE/ HUMAN/ MALE/ METACARPUS, anatomy & histology/ *OSTEOPOROSIS, diagnosis/ *ULTRASONICS/ ULTRASONICS, diagnostic use

DIAGNOSIS, DIFFERENTIAL

[Familial disorders of thyroxine-binding globulin as a cause of misleading serum thyroxine values. A study of 6 families] Bürgi H, et al. *Schweiz Med Wochenschr* 104(33):1141-7, 17 Aug 74 (Eng. Abstr.) (Ger)

ADOLESCENCE/ ADULT/ AGED/ CHILD/ COMPARATIVE STUDY/ DIAGNOSIS, DIFFERENTIAL/ *DIAGNOSTIC ERRORS/ ENGLISH ABSTRACT/ FEMALE/ *HEREDITARY DISEASES, blood/ HETEROZYGOTE/ HOMOZYGOTE/ HUMAN/ MALE/ METHODS/ MIDDLE AGE/ PEDIGREE/ THYROID DISEASES, diagnosis/ THYROTROPIN, blood/ *THYROXINE, blood/ *THYROXINE-BINDING PROTEIN

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Methods for measuring the thyroxine-binding proteins and free thyroid hormone concentration in serum. Cavalieri RR, et al. *Methods Enzymol* 36(00):126-32, 1975

DIALYSIS/ ELECTROPHORESIS, PAPER/

HUMAN/ IODINE RADIOISOTOPES/ KINETICS/
METHODS/ PROTEIN BINDING/ *THYROXINE,
blood/ *THYROXINE-BINDING PROTEIN,
analysis/ UNITED STATES GOVERNMENT
SUPPORTED, N.I.H.

Isolation of human testosterone-estradiol-binding
globulin. Rosner W, et al. *Methods Enzymol*
36(00):109-20, 1975

ANDROSTANEDIOL, analogs & derivatives/
ANILINE COMPOUNDS/ AZO COMPOUNDS/
*CARRIER PROTEINS, isolation & purification/
CHROMATOGRAPHY, AFFINITY/ DIALYSIS/
ELECTROPHORESIS, POLYACRYLAMIDE GEL/
*ESTRADIOL, blood/ GEL FILTRATION/
HUMAN/ ISOELECTRIC FOCUSING/ METHODS/
SEPHAROSE/ *SERUM GLOBULINS, isolation &
purification/ SUCCINATES/ *TESTOSTERONE,
blood

METHODS

Thyroxine dissociation in human plasma: measurement
of its rate by a continuous-flow dialysis method.

Hillier AP. *Acta Endocrinol (Kbh)* 78(1):32-8, Jan 75
COMPARATIVE STUDY/ *DIALYSIS, methods/
HUMAN/ MEMBRANES, ARTIFICIAL/ PROTEIN
BINDING/ SERUM ALBUMIN, metabolism/
SERUM GLOBULINS, metabolism/
TEMPERATURE/ *THYROXINE, blood/
*THYROXINE-BINDING PROTEIN, blood/ TIME
FACTORS

ELECTROPHORESIS, PAPER

Methods for measuring the thyroxine-binding proteins
and free thyroid hormone concentration in serum.
Cavallieri RR, et al. *Methods Enzymol* 36(00):126-32,
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DIALYSIS/ ELECTROPHORESIS, PAPER/
HUMAN/ IODINE RADIOISOTOPES/ KINETICS/
METHODS/ PROTEIN BINDING/ *THYROXINE,
blood/ *THYROXINE-BINDING PROTEIN,
analysis/ UNITED STATES GOVERNMENT
SUPPORTED, N.I.H.

ELECTROPHORESIS, POLYACRYLAMIDE GEL

Studies on the multiplicity of polypeptide hormones.
I. Isolation of human pituitary growth hormone and
characterization of the aggregates. Gráf L, et al.
Acta Biochim Biophys Acad Sci Hung 9(4):309-17,
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AMINO ACIDS, analysis/ ELECTROPHORESIS,
POLYACRYLAMIDE GEL/ GEL FILTRATION/
HUMAN/ HYDROGEN-ION CONCENTRATION/
MACROMOLECULAR SYSTEMS/ METHODS/
MOLECULAR WEIGHT/ *PITUITARY GLAND,
analysis/ PROTEIN BINDING/ SODIUM DODECYL
SULFATE/ *SOMATOTROPIN/ SOMATOTROPIN,
isolation & purification

Isolation of human testosterone-estradiol-binding
globulin. Rosner W, et al. *Methods Enzymol*
36(00):109-20, 1975

ANDROSTANEDIOL, analogs & derivatives/
ANILINE COMPOUNDS/ AZO COMPOUNDS/
*CARRIER PROTEINS, isolation & purification/
CHROMATOGRAPHY, AFFINITY/ DIALYSIS/
ELECTROPHORESIS, POLYACRYLAMIDE GEL/
*ESTRADIOL, blood/ GEL FILTRATION/
HUMAN/ ISOELECTRIC FOCUSING/ METHODS/
SEPHAROSE/ *SERUM GLOBULINS, isolation &
purification/ SUCCINATES/ *TESTOSTERONE,
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CATECHOLAMINES, metabolism/ DIURNAL
RHYTHM/ *EPINEPHRINE, analysis/
EPINEPHRINE, urine/ FLUOROMETRY/ HUMAN/
HYPERTENSION, urine/ HYPERTENSION,
diagnosis/ METHYL ETHERS, urine/ MIDDLE
AGE/ *NORMETANEPHRINE, urine/
*PHEOCHROMOCYTOMA, diagnosis/
PHEOCHROMOCYTOMA, urine/
SPECTROPHOTOMETRY, methods/ UNITED
STATES GOVERNMENT SUPPORTED, N.I.H./
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Abstr.) (Fre)

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*HYDROCORTISONE, blood/ METHANE/
METHODS/ STATISTICS/ SULFURIC ACIDS

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[Fluorometric method of separate determination of
free and protein bound cortisol and corticosterone
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*BLOOD PROTEINS/ *CORTICOSTERONE, blood/
*FLUOROMETRY, methods/ HUMAN/
*HYDROCORTISONE, blood/ PROTEIN BINDING

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methods/ HUMAN/ INDICATORS AND
REAGENTS/ MALE/ MIDDLE AGE/
*11-HYDROXYCORTICOSTEROIDS, blood

GEL FILTRATION

Studies on the multiplicity of polypeptide hormones.
I. Isolation of human pituitary growth hormone and
characterization of the aggregates. Gráf L, et al.
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AMINO ACIDS, analysis/ ELECTROPHORESIS,
POLYACRYLAMIDE GEL/ GEL FILTRATION/
HUMAN/ HYDROGEN-ION CONCENTRATION/
MACROMOLECULAR SYSTEMS/ METHODS/
MOLECULAR WEIGHT/ *PITUITARY GLAND,
analysis/ PROTEIN BINDING/ SODIUM DODECYL
SULFATE/ *SOMATOTROPIN/ SOMATOTROPIN,
isolation & purification

Purification of progesterone-binding plasma protein
(PBP) from pregnant guinea pigs. Milgrom E, et al.
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purification/ CHROMATOGRAPHY, ION
EXCHANGE/ FEMALE/ GEL FILTRATION/
GUINEA PIGS/ HEXOSES, analysis/ KINETICS/
METHODS/ PREGNANCY/ *PROGESTERONE,
blood/ PROTEIN BINDING/ SIALIC ACIDS,
analysis/ STRUCTURE-ACTIVITY
RELATIONSHIP

Isolation of human testosterone-estradiol-binding
globulin. Rosner W, et al. *Methods Enzymol*
36(00):109-20, 1975

ANDROSTANEDIOL, analogs & derivatives/
ANILINE COMPOUNDS/ AZO COMPOUNDS/
*CARRIER PROTEINS, isolation & purification/
CHROMATOGRAPHY, AFFINITY/ DIALYSIS/
ELECTROPHORESIS, POLYACRYLAMIDE GEL/

METHOD SECTION MICROCHEMISTRY

*ESTRADIOL, blood/ GEL FILTRATION/
HUMAN/ ISOELECTRIC FOCUSING/ METHODS/
SEPHAROSE/ *SERUM GLOBULINS, isolation &
purification/ SUCCINATES/ *TESTOSTERONE,
blood

Simultaneous measurement of unbound testosterone
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degrees C by steady-state gel filtration. Fisher RA,
et al. *Steroids* 24(6):809-24, Dec 74

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HUMAN/ HYDROGEN-ION CONCENTRATION/
MALE/ METHODS/ PREGNANCY/ PROTEIN
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analysis/ ANTIBODY SPECIFICITY/
ANTIGEN-ANTIBODY COMPLEX/ CHILD/
CHROMATOGRAPHY, PAPER/ CROSS
REACTIONS/ FEMALE/ GEL FILTRATION/
HUMAN/ IMMUNIZATION/ INDICATORS AND
REAGENTS/ MALE/ METHODS/ OXIMES,
immunology/ RABBITS, immunology/
RADIOIMMUNOASSAY/ SERUM ALBUMIN,
BOVINE/ TRITIUM

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*ESTROGENS, pharmacodynamics/ ESTROGENS,
blood/ ETHINYL ESTRADIOL, pharmacodynamics/
FACTOR XIII, analysis/ FIBRIN, analysis/
FIBRINOGEN, analysis/ GEL FILTRATION/
METHODS/ MOLECULAR WEIGHT/ POLYMERS,
analysis/ PREMARIN, pharmacodynamics/
SOLUBILITY/ *THROMBIN, pharmacodynamics/
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Immunoassay for renin: measurement of renal renin
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S. *Tohoku J Exp Med* 113(4):383-90, Aug 74
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EXPERIMENTS/ ANTIBODIES, analysis/ DOGS/
FEMALE/ GUINEA PIGS, immunology/
HEMAGGLUTINATION INHIBITION TESTS/
HUMAN/ *HYPERTENSION, metabolism/
IMMUNE SERUMS/ *IMMUNOASSAY, methods/
*KIDNEY, analysis/ KIDNEY, immunology/ MALE/
MIDDLE AGE/ POSTMORTEM CHANGES/
RABBITS, immunology/ *RENIN, analysis/ RENIN,
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Quantitative comparisons of amine fluorescence in
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analysis/ CEREBRAL CORTEX, ultrastructure/
COMPARATIVE STUDY/
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HISTOCYTOCHEMISTRY/ *HORMONES, analysis/
METHODS/ MICROSCOPY, ELECTRON/
OVIDUCTS, analysis/ RATS/ RECEPTORS,
HORMONE/ *STERIODS, analysis/ UNITED
STATES GOVERNMENT SUPPORTED,
NON-N.I.H./ UTERUS, analysis/ UTERUS,
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II, analysis/ ANTIBODY SPECIFICITY/
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BINDING SITES, ANTIBODY/ *IMMUNE SERUMS/
*IMMUNOASSAY, methods/ IODIDES,
pharmacodynamics/ RABBITS, immunology/
RADIOIMMUNOASSAY, methods/ SODIUM,
pharmacodynamics/ *VASOPRESSIN, immunology/
VASOPRESSIN, analysis

Immunoassay for renin: measurement of renal renin
content in autopsied hypertensive patients. Fukuchi
S. *Tohoku J Exp Med* 113(4):383-90, Aug 74

ADOLESCENCE/ ADULT/ AGED/ ANIMAL
EXPERIMENTS/ ANTIBODIES, analysis/ DOGS/
FEMALE/ GUINEA PIGS, immunology/
HEMAGGLUTINATION INHIBITION TESTS/
HUMAN/ *HYPERTENSION, metabolism/
IMMUNE SERUMS/ *IMMUNOASSAY, methods/
*KIDNEY, analysis/ KIDNEY, immunology/ MALE/
MIDDLE AGE/ POSTMORTEM CHANGES/
RABBITS, immunology/ *RENIN, analysis/ RENIN,
immunology/ SPECIES SPECIFICITY

ISOELECTRIC FOCUSING

Isolation of human testosterone-estradiol-binding
globulin. Rosner W, et al. *Methods Enzymol*
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ELECTROPHORESIS, POLYACRYLAMIDE GEL/
*ESTRADIOL, blood/ GEL FILTRATION/
HUMAN/ ISOELECTRIC FOCUSING/ METHODS/
SEPHAROSE/ *SERUM GLOBULINS, isolation &
purification/ SUCCINATES/ *TESTOSTERONE,
blood

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A novel method for the determination of guanosine
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CYCLIC 3',5' MONOPHOSPHATE, analysis/
METHODS/ MICROCHEMISTRY/ PEPTIDE
ELONGATION FACTORS/
PHOSPHODIESTERASES, metabolism/
PHOSPHORUS RADIOISOTOPES/ RATS/
TRITIUM

Examination of some factors affecting sensitivity and
reproducibility in radioimmunoassay of thyrotropin.
Moser RJ, et al. *Clin Chem* 21(3):347-52, Mar 75

CATTLE/ CROSS REACTIONS/ EVALUATION
STUDIES/ FEMALE/ GONADOTROPINS,
CHORIONIC/ HUMAN/ HYPERTHYROIDISM,
blood/ HYPOTHYROIDISM, blood/ IODINE
RADIOISOTOPES/ METHODS/
MICROCHEMISTRY/ PREGNANCY/
RADIOIMMUNOASSAY/ SERUM ALBUMIN/
SERUM ALBUMIN, BOVINE/ *THYROTROPIN,

blood/ TIME FACTORS

Electron-capture techniques for steroid analysis.

Kirschner MA. *Methods Enzymol* 36(00):58-67, 1975
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 ESTRONE, urine/ *HORMONES, analysis/ HUMAN/
 METHODS/ MICROCHEMISTRY/
 RADIOIMMUNOASSAY/ *STEROIDS, analysis/
 TESTOSTERONE, analysis/ TESTOSTERONE,
 analogs & derivatives/ TRITIUM

Use of plasma-binding proteins for steroid hormone
 assays. Strott CA. *Methods Enzymol* 36(00):34-48, 1975
 ANIMAL EXPERIMENTS/ *CARRIER PROTEINS,
 blood/ *HORMONES, analysis/ HUMAN/
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 MICROCHEMISTRY/ PROGESTERONE, analysis/
 PROTEIN BINDING/ RADIOIMMUNOASSAY/
 SERUM GLOBULINS/ *STEROIDS, analysis/
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Specific antisera suitable for solid-phase
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 REACTIONS/ *HYDROXYSTEROIDS, analysis/
 HYDROXYSTEROIDS, immunology/ *IMMUNE
 SERUMS/ MICROCHEMISTRY/ RABBITS,
 immunology/ RADIOIMMUNOASSAY, methods/
 STRUCTURE-ACTIVITY RELATIONSHIP/
 TRITIUM

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The use of 6alpha- and 6beta-carboxymethyl
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 BOVINE/ SPECTRUM ANALYSIS, MASS/
 *TESTOSTERONE, analysis/ TESTOSTERONE,
 analogs & derivatives/ TRITIUM

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 metabolism/ *BIOLOGICAL ASSAY, methods/
 COMPARATIVE STUDY/ ENGLISH ABSTRACT/
 FEMALE/ *LH, analysis/ LH, pharmacodynamics/
 ORGAN WEIGHT/ OVARY, metabolism/ OVARY,
 drug effects/ PREGNANT MARE'S SERUM,
 analysis/ RATS/ SPECIES SPECIFICITY

[Human chorion somatomammotrophin and estradiol
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 INFANT, NEWBORN/ IODINE RADIOISOTOPES/
 ORGAN WEIGHT/ PLACENTA/ *PLACENTAL
 LACTOGEN, blood/ PREGNANCY/ PREGNANCY,
 THIRD TRIMESTER/ RADIOIMMUNOASSAY,
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PROTEIN BINDING

Studies on the multiplicity of polypeptide hormones.
 I. Isolation of human pituitary growth hormone and
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AMINO ACIDS, analysis/ ELECTROPHORESIS,
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 HUMAN/ HYDROGEN-ION CONCENTRATION/
 MACROMOLECULAR SYSTEMS/ METHODS/
 MOLECULAR WEIGHT/ *PITUITARY GLAND,
 analysis/ PROTEIN BINDING/ SODIUM DODECYL
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 HUMAN/ MEMBRANES, ARTIFICIAL/ PROTEIN
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 SERUM GLOBULINS, metabolism/
 TEMPERATURE/ *THYROXINE, blood/
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A rapid method for the measurement of estradiol and
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 FLUID, analysis/ BENZENE, diagnostic use/
 BINDING SITES/ BINDING, COMPETITIVE/
 BLOOD SPECIMEN COLLECTION/
 CHROMATOGRAPHY, methods/
 CHROMATOGRAPHY, instrumentation/
 ESTRADIOL, blood/ *ESTRADIOL, analysis/
 ESTRIOL, blood/ ESTRONE, blood/ FEMALE/
 *FETUS, metabolism/ HUMAN/
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 analysis/ PREGNANCY/ PROTEIN BINDING/
 SOLVENTS/ TESTOSTERONE, blood

Radioimmunoassay of plasma estradiol without
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 ALBUMIN, BOVINE/ TESTOSTERONE/ TRITIUM

Diurnal variations in blood cortisol in the dairy cow.
 Hudson S, et al. *J Dairy Sci* 58(1):30-3, Jan 75
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 COMPETITIVE/ *CATTLE, blood/ CIRCADIAN
 RHYTHM/ FEMALE/ *HYDROCORTISONE, blood/
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Methods for measuring the thyroxine-binding proteins
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 Cavalieri RR, et al. *Methods Enzymol* 36(00):126-32,
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 analysis/ UNITED STATES GOVERNMENT
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Purification of progesterone-binding plasma protein
 (BPB) from pregnant guinea pigs. Milgrom E, et al.
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 EXCHANGE/ FEMALE/ GEL FILTRATION/
 GUINEA PIGS/ HEXOSES, analysis/ KINETICS/
 METHODS/ PREGNANCY/ *PROGESTERONE,
 blood/ PROTEIN BINDING/ SIALIC ACIDS,
 analysis/ STRUCTURE-ACTIVITY
 RELATIONSHIP

Use of plasma-binding proteins for steroid hormone
 assays. Strott CA. *Methods Enzymol* 36(00):34-48, 1975
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 blood/ *HORMONES, analysis/ HUMAN/
 HYDROXYPROGESTERONE, blood/ METHODS/
 MICROCHEMISTRY/ PROGESTERONE, analysis/
 PROTEIN BINDING/ RADIOIMMUNOASSAY/
 SERUM GLOBULINS/ *STEROIDS, analysis/
 TRITIUM

Simultaneous measurement of unbound testosterone
 and estradiol fractions in undiluted plasma at 37
 degrees C by steady-state gel filtration. Fisher RA,

et al. *Steroids* 24(6):809-24, Dec 74

COMPARATIVE STUDY/ CONTRACEPTIVES,
ORAL. pharmacodynamics/ *ESTRADIOL, blood/
FEMALE/ GEL FILTRATION/ HIRSUTISM, blood/
HUMAN/ HYDROGEN-ION CONCENTRATION/
MALE/ METHODS/ PREGNANCY/ PROTEIN
BINDING/ TEMPERATURE/ *TESTOSTERONE,
blood

A radioimmunoassay of plasma estradiol-17beta with
the use of polyethylene glycol to separate free and
antibody-bound hormone. Schiller HS, et al.

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ANTIBODY SPECIFICITY/ ANTIGEN-ANTIBODY
COMPLEX/ BINDING SITES, ANTIBODY/
CATTLE/ *ESTRADIOL, blood/ ESTRADIOL,
immunology/ ESTRONE, immunology/ GAMMA
GLOBULINS/ *POLYETHYLENE GLYCOLS/
PROTEIN BINDING/ RADIOIMMUNOASSAY,
methods/ SHEEP, immunology/ TRITIUM

[Fluorometric method of separate determination of
free and protein bound cortisol and corticosterone
in blood plasma] Negref LN, et al. *Lab Delo* (1):12-4,
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(Rus)
*BLOOD PROTEINS/ *CORTICOSTERONE, blood/
*FLUOROMETRY, methods/ HUMAN/
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COMPARATIVE STUDY/ DRUG STABILITY/
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INDICATORS AND REAGENTS/ MALE/
METHODS/ *PROSTAGLANDINS, blood/
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STUDIES/ HUMAN/ HYDROGEN-ION
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enzymology/ RADIOIMMUNOASSAY/ *RENIN,
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Comparison of clinical assays for serum corticosteroids.

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BINDING, COMPETITIVE/ BLOOD PROTEINS/
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STUDY/ *CORTICOSTERONE, blood/ CROSS
REACTIONS/ EVALUATION STUDIES/ HUMAN/
*HYDROCORTISONE, blood/ HYDROCORTISONE,
analysis/ METHODS/ RADIOIMMUNOASSAY/
RADIOLIGAND ASSAY/
SPECTROPHOTOMETRY/ TRITIUM

Examination of some factors affecting sensitivity and
reproducibility in radioimmunoassay of thyrotropin.

Moser RJ, et al. *Clin Chem* 21(3):347-52, Mar 75

CATTLE/ CROSS REACTIONS/ EVALUATION
STUDIES/ FEMALE/ GONADOTROPINS,
CHORIONIC/ HUMAN/ HYPERTHYROIDISM,
blood/ HYPOTHYROIDISM, blood/ IODINE
RADIOISOTOPES/ METHODS/
MICROCHEMISTRY/ PREGNANCY/
RADIOIMMUNOASSAY/ SERUM ALBUMIN/
SERUM ALBUMIN, BOVINE/ *THYROTROPIN,
blood/ TIME FACTORS

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ENDOCRINE DISEASES, blood/ FEMALE/
HIRSUTISM, blood/ HUMAN/
HYPOPITUITARISM, blood/ MALE/ METHODS/
PITUITARY NEOPLASMS, blood/ PREGNANCY/
RADIOIMMUNOASSAY/ *TESTOSTERONE,
blood/ TRITIUM

Patterns of LH and FSH release from perfused rat
pituitaries in response to infusions of hypothalamic
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HYDROGEN-ION CONCENTRATION/
*HYPOTHALAMUS/ IN VITRO/ *LH, secretion/
MALE/ METHODS/ *PITUITARY GLAND,
secretion/ RADIOIMMUNOASSAY/ RATS/
STIMULATION, CHEMICAL/ TIME FACTORS/
*TISSUE EXTRACTS, pharmacodynamics/ UNITED
STATES GOVERNMENT SUPPORTED, N.I.H.

Progestational function of perfused rat corpora lutea.
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75

ANIMAL EXPERIMENTS/ CHOLESTEROL,
metabolism/ *CORPUS LUTEUM, secretion/
DIBUTYRYL CYCLIC AMP, pharmacodynamics/
ESTRUS/ FEMALE/ IN VITRO/ LH,
pharmacodynamics/ LH, administration & dosage/
METHODS/ *PROGESTERONE, secretion/
*PROGESTERONE, analogs & derivatives/
PROLACTIN, pharmacodynamics/ PROLACTIN,
administration & dosage/ PROSTAGLANDINS,
pharmacodynamics/ PSEUDOPREGNANCY/
RADIOIMMUNOASSAY/ RATS/ STIMULATION,
CHEMICAL/ UNITED STATES GOVERNMENT
SUPPORTED, NON-N.I.H.

Electron-capture techniques for steroid analysis.

Kirschner MA. *Methods Enzymol* 36(00):58-67, 1975

ANDROSTENEDIONE, analysis/
CHROMATOGRAPHY, GAS/ COMPARATIVE
STUDY/ ELECTRONS/ ESTRADIOL, urine/
ESTRONE, urine/ *HORMONES, analysis/ HUMAN/
METHODS/ MICROCHEMISTRY/
RADIOIMMUNOASSAY/ *STERIODS, analysis/
TESTOSTERONE, analysis/ TESTOSTERONE,
analogs & derivatives/ TRITIUM

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 ANALYSIS/ STANOLONE, blood/
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A competitive protein binding radioassay for
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